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				Filing Date <b>January 22, 2002</b>		Group Art Unit <b>3737</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIALS	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
B.R.		6,836,557	12/28/2004	Tamez-Peña <i>et al.</i>				
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIALS	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
B.R.		2003/0088177	05/08/2003	Totterman <i>et al.</i>			09/04/2002	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY			Translation	
							YES	NO
B.R.		WO 02/43003	05/30/2002	WIPO				
B.R.		WO 03/021524	03/13/2003	WIPO				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
B.R.		Fox <i>et al.</i> , "Visualization and Quantification of Rates of Atrophy in Alzheimer's Disease", The Lancet, Vol. 348, July 13, 1996, pp. 94-97.						
B.R.		Crum <i>et al.</i> , "The Use of Regional Fast Fluid Registration of Serial MRI to Quantify Local Change in Neurodegenerative Disease", Dementia Research Group, Department of Clinical Neurology, Institute of Neurology, London, UK, MIUA99 On-line proceedings, 1999 (4 pages).						
EXAMINER <i>Barakhi Lay</i>				DATE CONSIDERED <i>10-14-03</i>				
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<b>B-2.</b>		Thompson <i>et al.</i> , "Cortical Change in Alzheimer's Disease Detected With a Disease-specific Population-based Brain Atlas", Cerebral Cortex, Jan. 2001, pp. 1-16.
<b>B-2.</b>		Dale <i>et al.</i> , "Cortical Surface-Based Analysis", NeuroImage 9, (1999) pp. 179-194.

  

EXAMINER <i>Barisabhi Roy</i>	DATE CONSIDERED <b>10-14-05</b>
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OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
<b>B.R.</b>		Dale, Abstract "Fully Automated Whole-Brain Segmentation and Morphometric Analysis: A Site-Independent Approach", <a href="http://www.nimh.nih.gov/neuroinformatics/society2001abstracts.cfm">http://www.nimh.nih.gov/neuroinformatics/society2001abstracts.cfm</a> , 2001.
<b>B.R.</b>		J.A.Castelijns, F. Barkhof, "Magnetic Resonance (MR) Imaging as a Marker for Multiple Sclerosis", Biomed & Pharmacother, 1999, pp. 351-357.

  

EXAMINER <b>Saisakhi Loy</b>	DATE CONSIDERED <b>10-14-05</b>
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## OTHER DOCUMENTS

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B.R.		Laakso et al., "Hippocampus in Alzheimer's Disease: a 3-year Follow-up MRI Study", Society of Biological Psychiatry, 2000, pp. 557-561.
B.R.		G. Calmon, N. Roberts, "Automatic Measurement of Changes in Brain Volume on Consecutive 3D MR Images by Segmentation Propagation", Magnetic Resonance and Image Analysis Research Centre, University of Liverpool, Liverpool, UK, 1999, Magnetic Resonance Imaging 18 (2000), pp. 439-453.

EXAMINER

*Bansal*

DATE CONSIDERED

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B.R.		Bharatha et al., "Evaluation of Three Dimensional Finite Element-based Deformable Registration of Pre- and Intra-Operative Prostate Imaging", Med Phys 28:2551-2560, 2001 (43 pages).
B.R.		Ferrant et al., "Registration of 3D Intraoperative MR Images of the Brain Using a Finite Element Biomechanical Model", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.19-28.

EXAMINER

*Baisakhi Das*

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B.R.		Ferrant M., "Physics-Based Deformable Modeling of Volumes and Surfaces for Medical Image Registration, Segmentation and Visualization", Ph.D. Thesis, Universite Catholique de Louvain, 2001 (143 pages).
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*Baraschi Loy*

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B.R.		Ferrant et al., "Surface Based Atlas Matching of the Brain Using Deformable Surfaces and Volumetric Finite Elements", Proceedings of Medical Image Computing and Computer Aided Intervention (MICCAI) 2001, Springer Verlag, 2001, 2 pages.
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B.R.		Kaus et al., "Simulation of Corticospinal Tract Displacement in Patients with Brain Tumors", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.9-18 (pp. 1-9).
B.R.		Kaus et al., "Automated Segmentation of MRI of Brain Tumors", (Abstract), Radiology 2001; 218(2):586-591 (13 pages).

EXAMINER

*Kaurakhi Roy*

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OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
<b>B. R.</b>		Leventon M., "Statistical Models for Medical Image Analysis", (PostScript), Ph.D. Thesis, MIT, 2000, 156 pages.
<b>B. R.</b>		Leventon, et al., "Level Set Based Segmentation with Intensity and Curvature Priors", Neurosurgery 48:787798, 2001, 8 pages.

  

EXAMINER <i>Kawabuchi Loy</i>	DATE CONSIDERED <i>10-14-05</i>
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						YES	NO	

  

OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
<b>B.R.</b>		Rexilius J., "Physics-Based Nonrigid Registration for Medical Image Analysis", Master's Thesis, 2001. Medical University of Luebeck, Germany, 72 pages.
<b>B.R.</b>		Rexilius J, et al., "A Novel Nonrigid Registration Algorithm and Applications", Proceedings of Medical Image Computing and Computer Aided Intervention (MICCAI) 2001, Springer Verlag, 2001, 8 pages.

  

EXAMINER <b><i>hassaki ley</i></b>	DATE CONSIDERED <b><i>10-14-05</i></b>
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B.R.		Rexilius, et al., "Automatic Nonrigid Registration for Tracking Brain Shift during Neurosurgery", Workshop Bildverarbeitung fuer die Medizin, Springer Verlag, Heidelberg, Germany, March 2002, p.135-138 (4 pages).
B.R.		Ruiz-Alzola et al., "Nonrigid Registration of 3D Scalar, Vector and Tensor Medical Data", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.541-550 (10 pages).

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*Barisakhi Roy*

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B.R.	Sperling et al., "Regional Magnetic Resonance Imaging Lesion Burden and Cognitive Function in Multiple Sclerosis: A longitudinal study", Arch Neurol. 2001; 58:115-121 (19 pages).
B.R.	Tei et al., "Tracking Volumetric Brain Deformations During Image Guided Neurosurgery", In VISIM: Information Retrieval and Exploration in Large Medical Image Collections, in conjunction with MICCAI 2001, Springer Verlag, 2001 (12 pages).

EXAMINER

*Kawakhi Day*

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B.R.		Fischl et al., "Whole Brain Segmentation: Automated Labeling of Neuroanatomical Structures in the Human Brain", Neuron, Vol. 33, Issue 3, January 31, 2002 pp. 341-355 (with copy accepted for publication) (44 pages total).

EXAMINER

*Baisakhi Ray*

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